



Appendix F

RF Test Data for 906-926 (Conducted Measurement)

Product Name: MaxRanger4K Base Station

Test Model: NVW-MR4KSTN

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng





F.1 -6dB Bandwidth

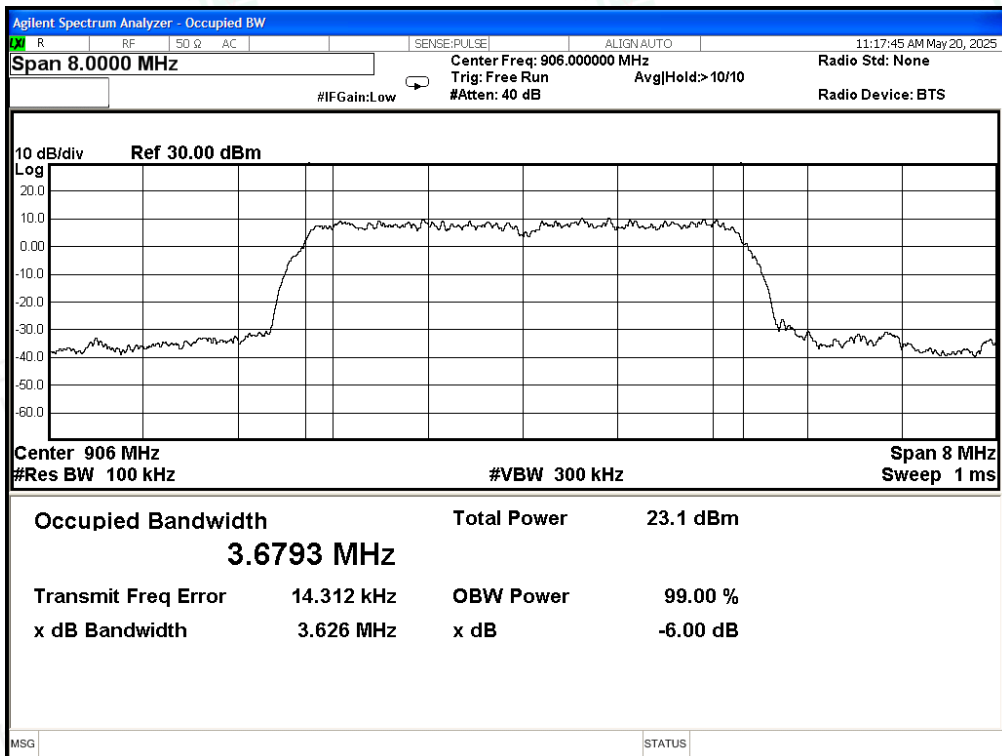
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	HaLow	906	Ant1	3.626	>=0.5	Pass
NVNT	HaLow	914	Ant1	3.686	>=0.5	Pass
NVNT	HaLow	926	Ant1	3.643	>=0.5	Pass



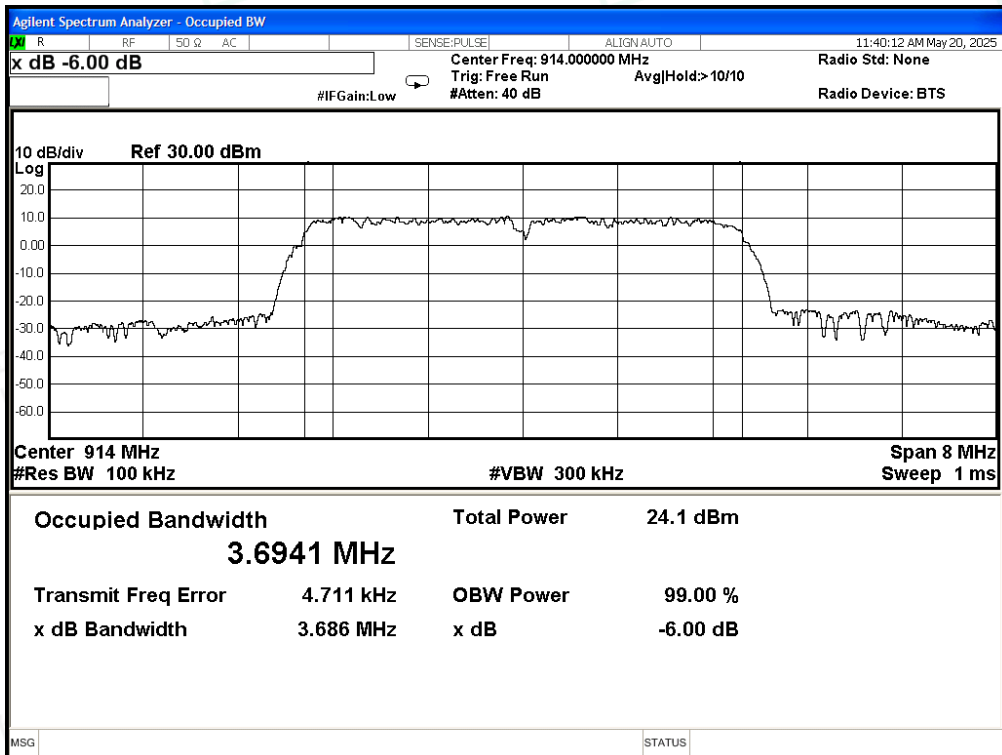


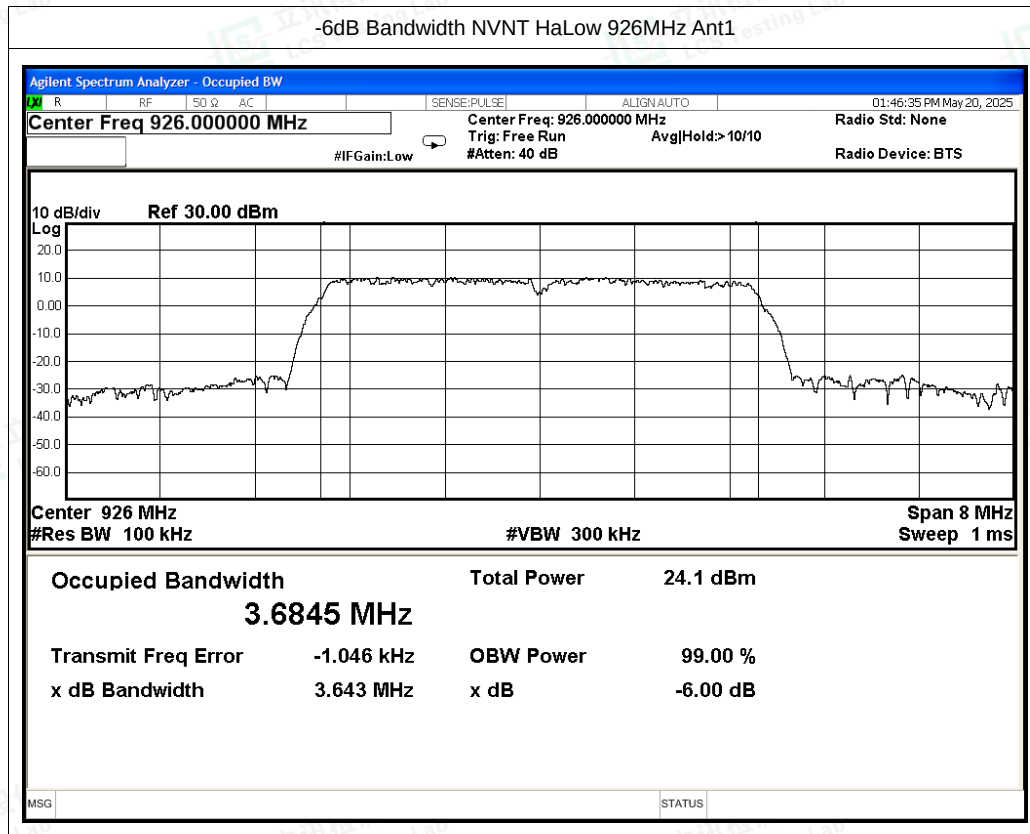
Test Graphs

-6dB Bandwidth NVNT HaLow 906MHz Ant1



-6dB Bandwidth NVNT HaLow 914MHz Ant1







F.2 Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	HaLow	906	Ant1	20.75	30	Pass
NVNT	HaLow	914	Ant1	22.51	30	Pass
NVNT	HaLow	926	Ant1	20.91	30	Pass





F.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	HaLow	906	Ant1	2.021	8	Pass
NVNT	HaLow	914	Ant1	3.312	8	Pass
NVNT	HaLow	926	Ant1	2.574	8	Pass

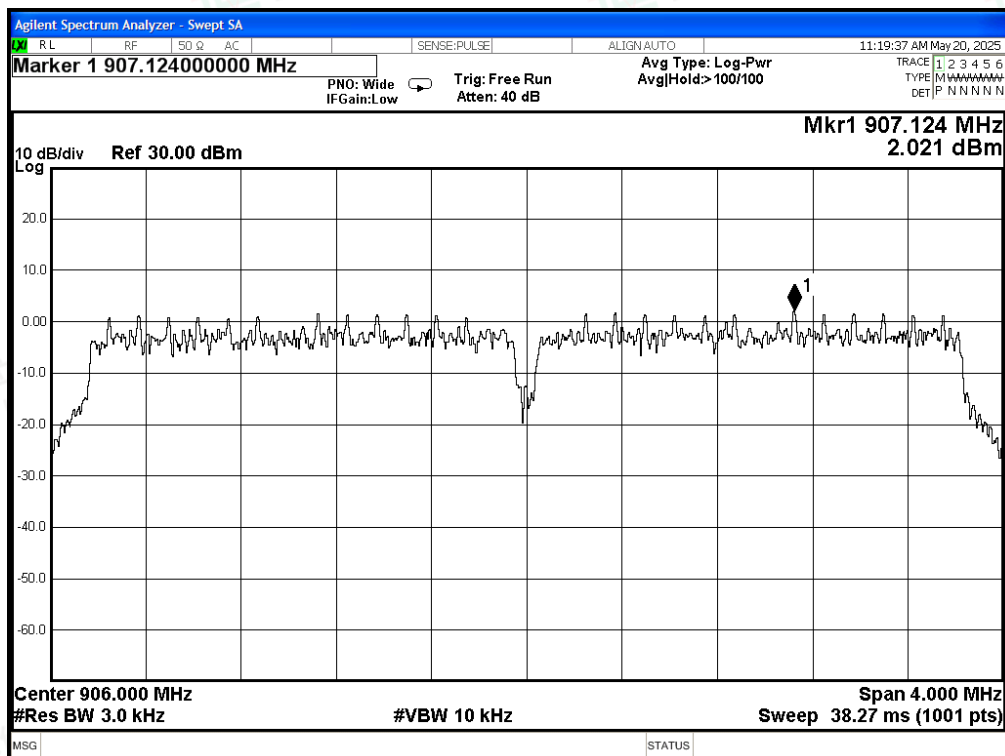


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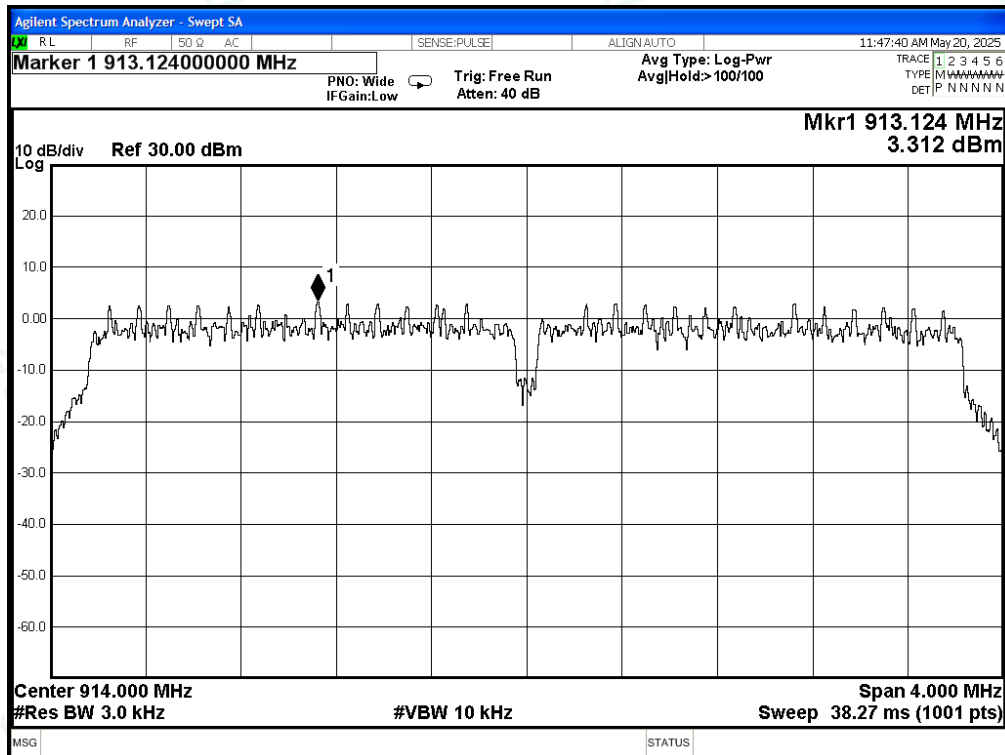


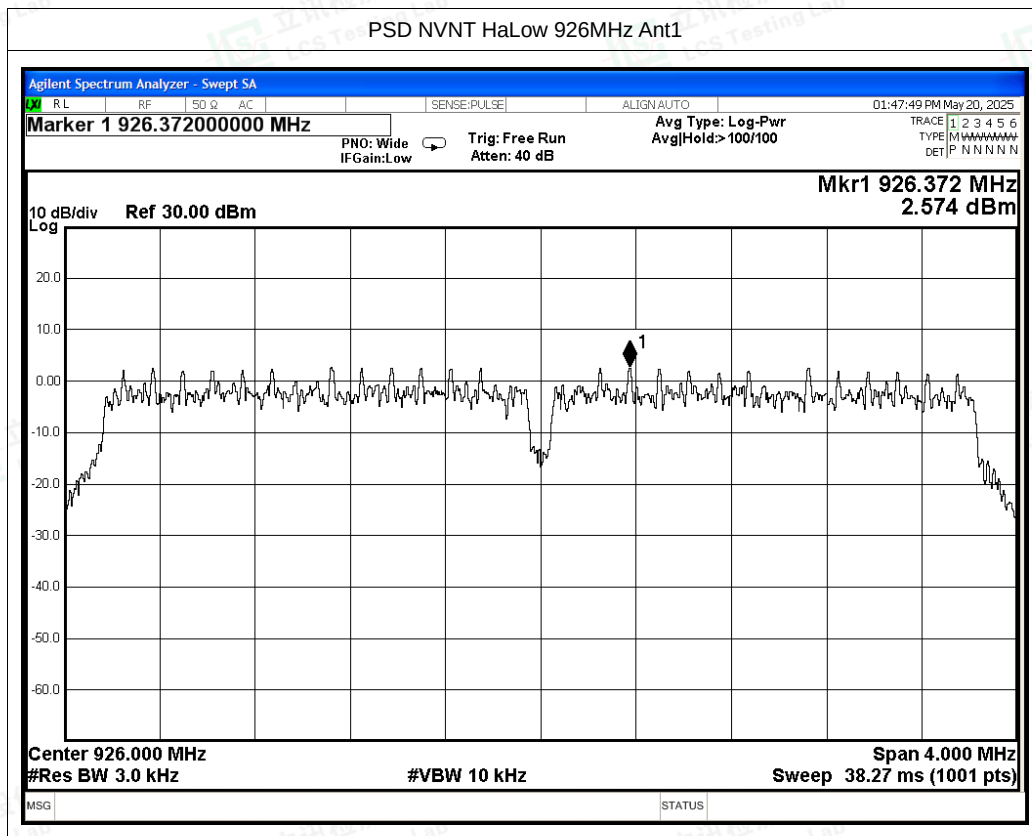
Test Graphs

PSD NVNT HaLow 906MHz Ant1



PSD NVNT HaLow 914MHz Ant1







F.4 Band Edge

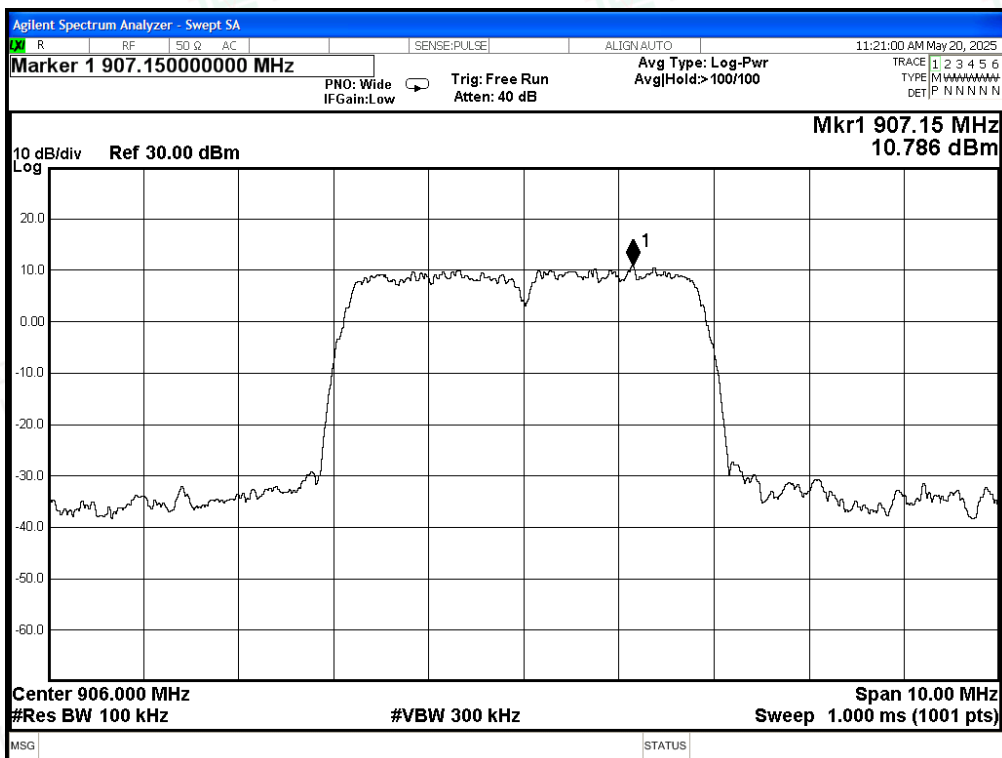
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	HaLow	906	Ant1	-51.72	-20	Pass
NVNT	HaLow	926	Ant1	-39.94	-20	Pass



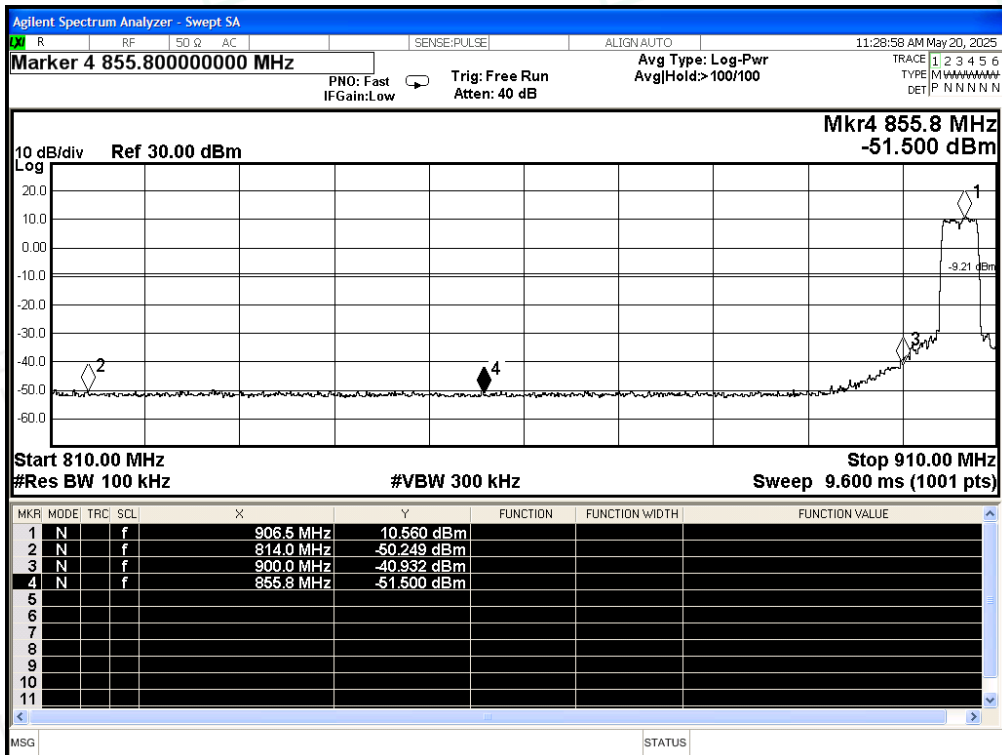


Test Graphs

Band Edge NVNT HaLow 906MHz Ant1 Ref

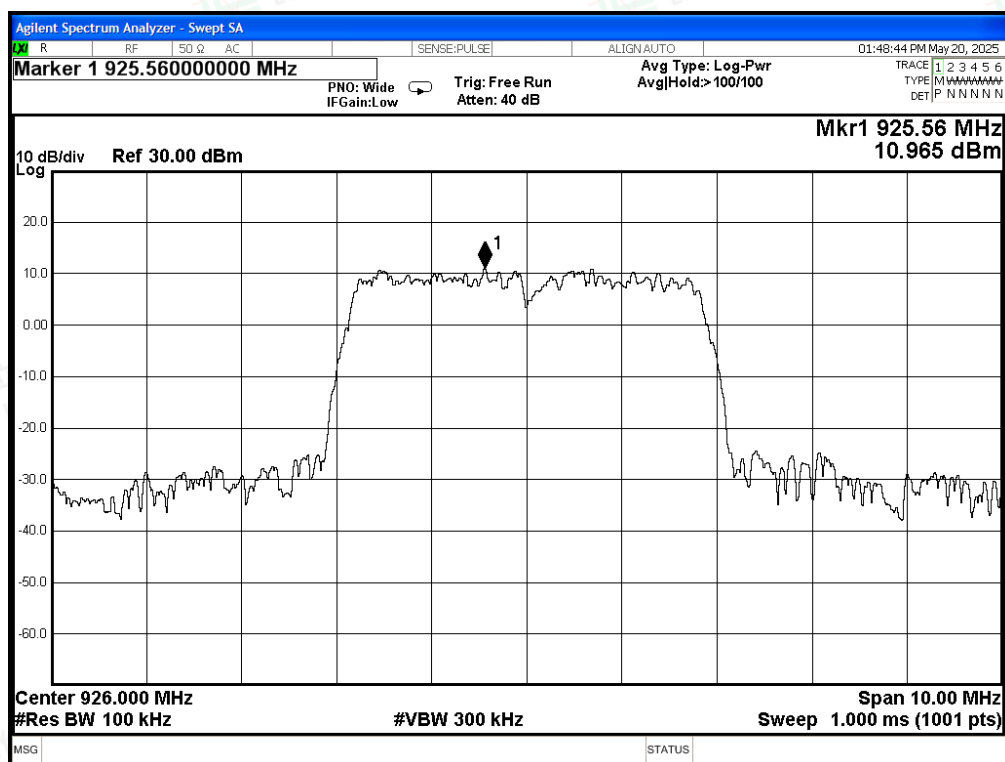


Band Edge NVNT HaLow 906MHz Ant1 Emission

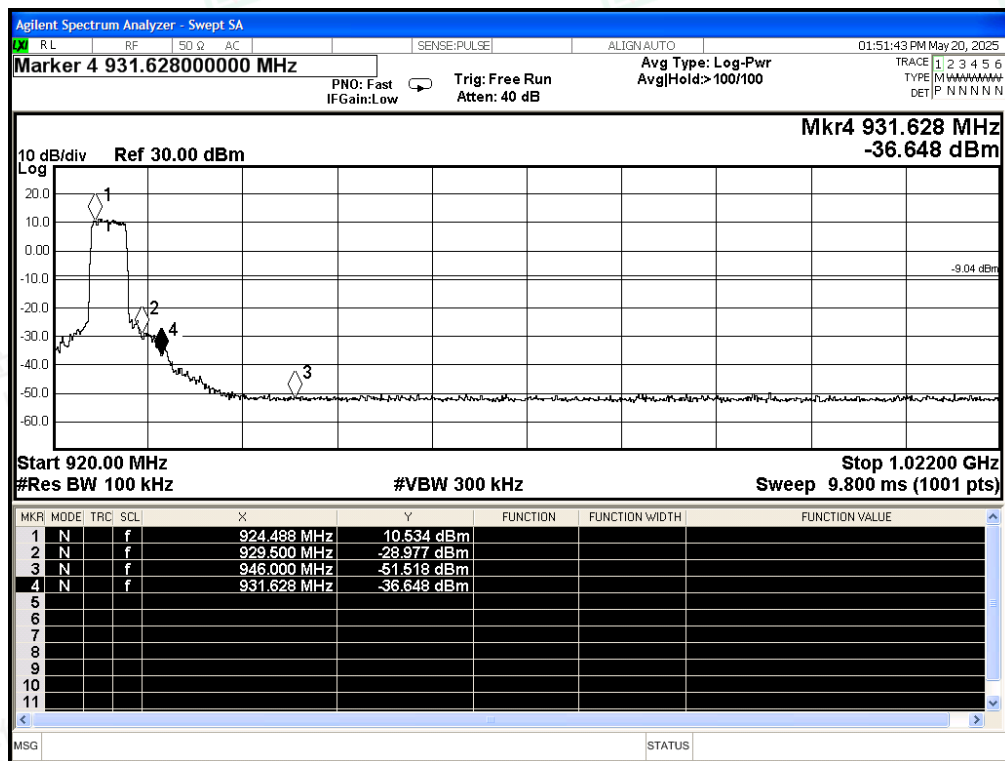




Band Edge NVNT HaLow 926MHz Ant1 Ref



Band Edge NVNT HaLow 926MHz Ant1 Emission





F.5 Conducted RF Spurious Emission

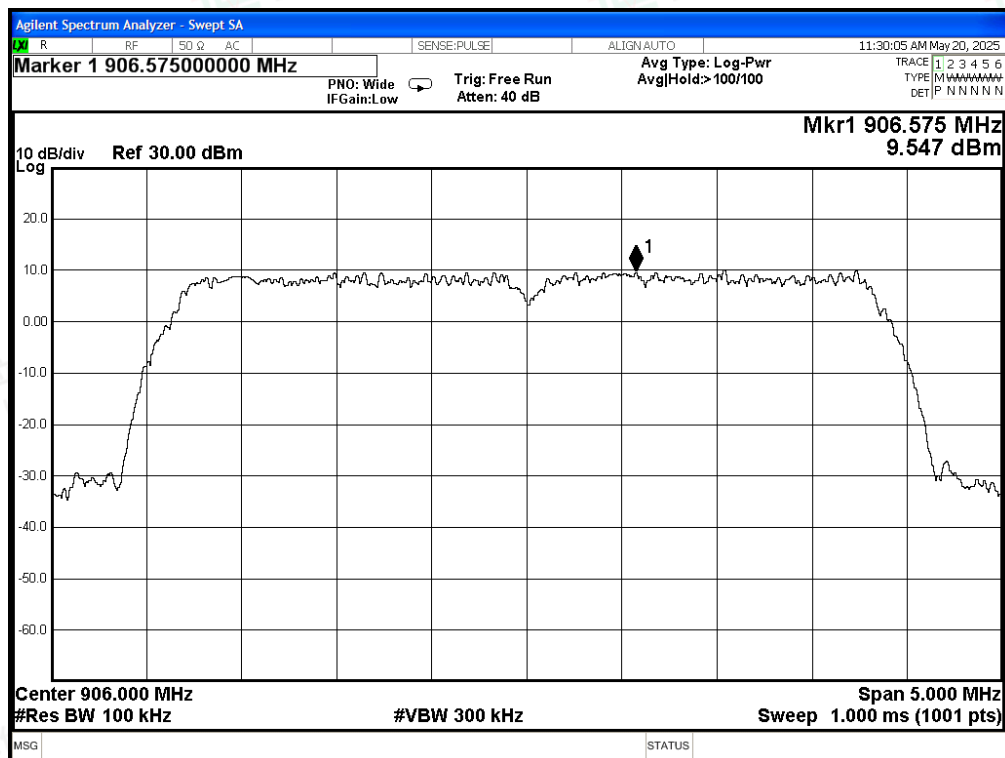
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	HaLow	906	Ant1	-47.58	-20	Pass
NVNT	HaLow	914	Ant1	-46.80	-20	Pass
NVNT	HaLow	926	Ant1	-47.15	-20	Pass



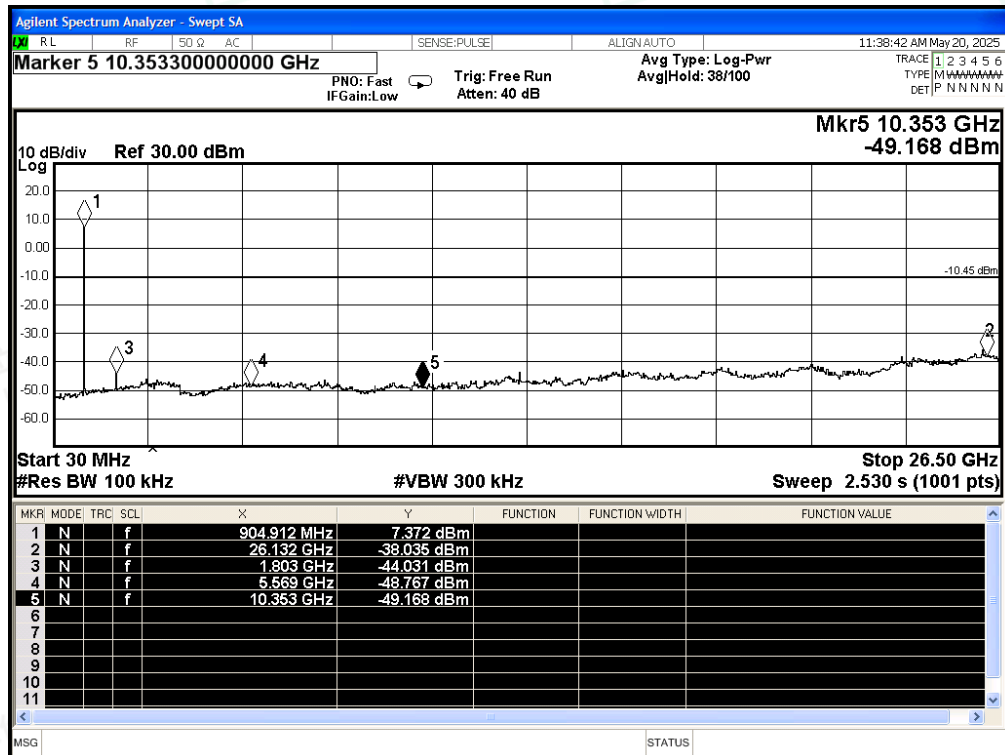


Test Graphs

Tx. Spurious NVNT HaLow 906MHz Ant1 Ref

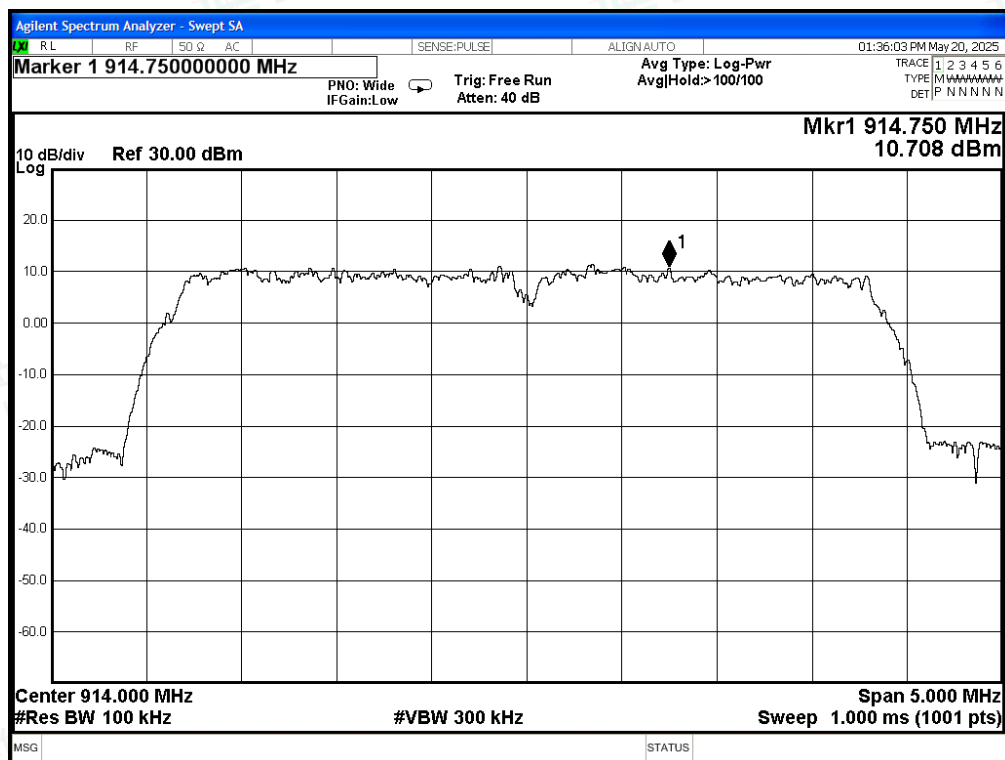


Tx. Spurious NVNT HaLow 906MHz Ant1 Emission

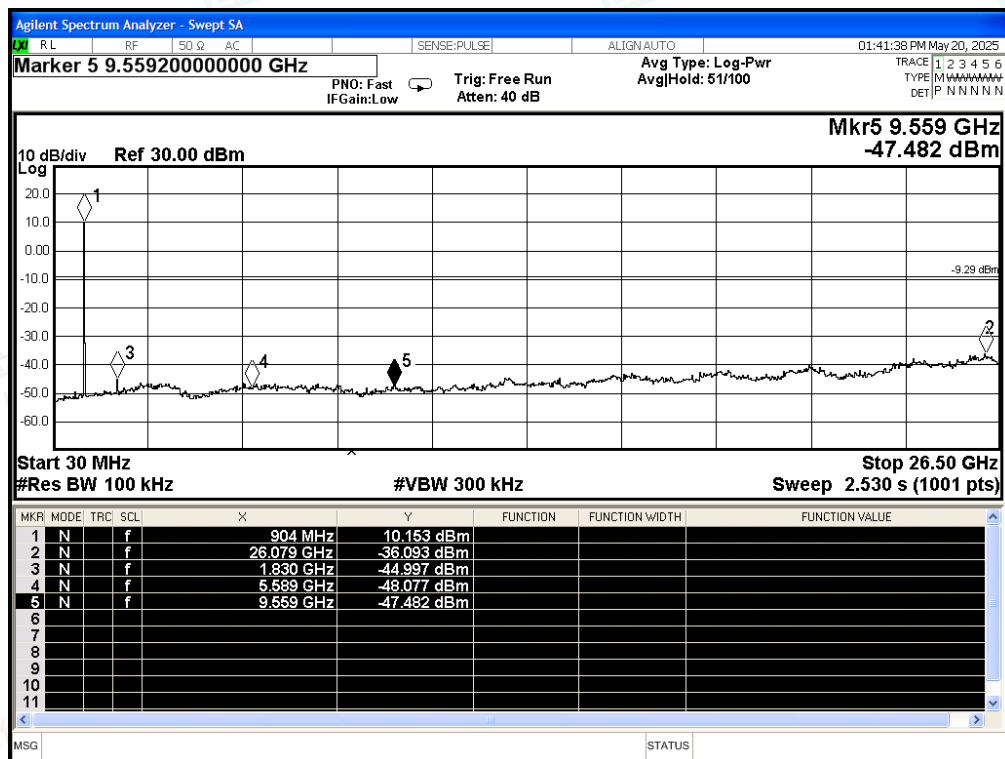




Tx. Spurious NVNT HaLow 914MHz Ant1 Ref

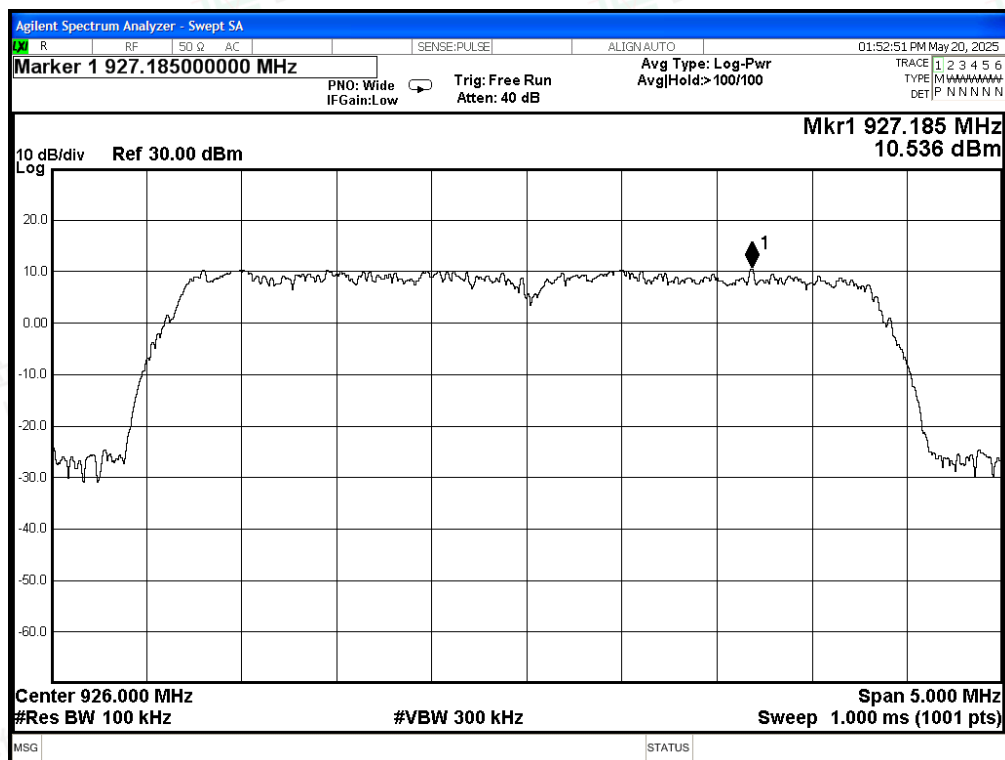


Tx. Spurious NVNT HaLow 914MHz Ant1 Emission

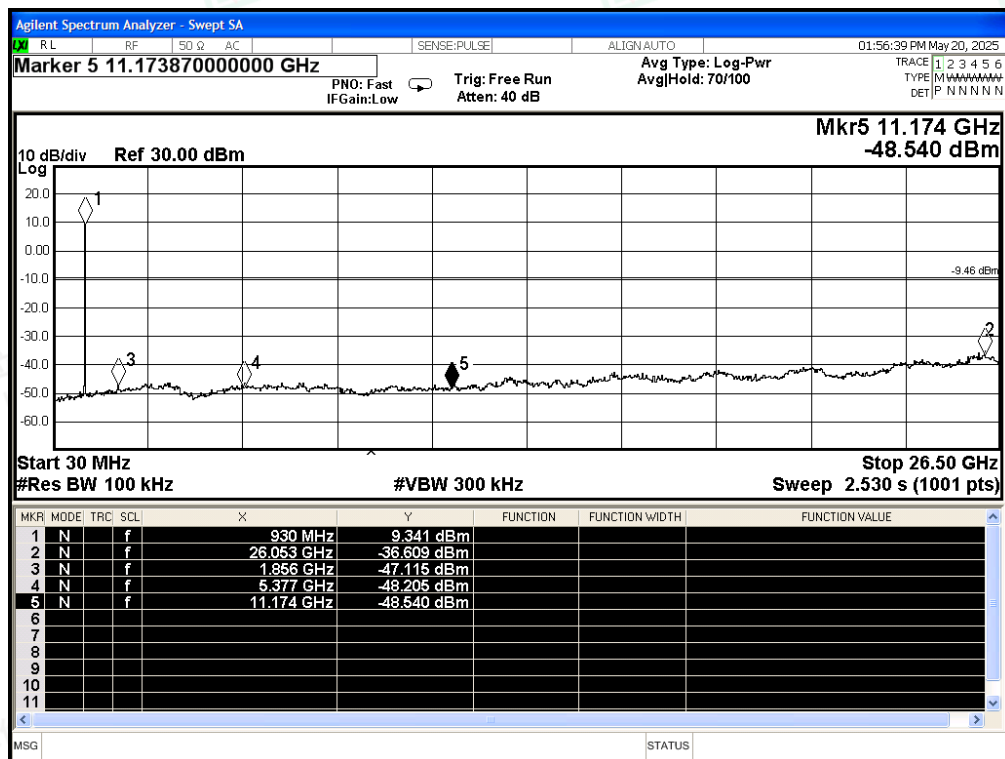




Tx. Spurious NVNT HaLow 926MHz Ant1 Ref



Tx. Spurious NVNT HaLow 926MHz Ant1 Emission





F.6 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	HaLow	906	Ant1	9.33	0.30	1.79
NVNT	HaLow	914	Ant1	9.33	0.30	1.79
NVNT	HaLow	926	Ant1	9.33	0.30	1.79

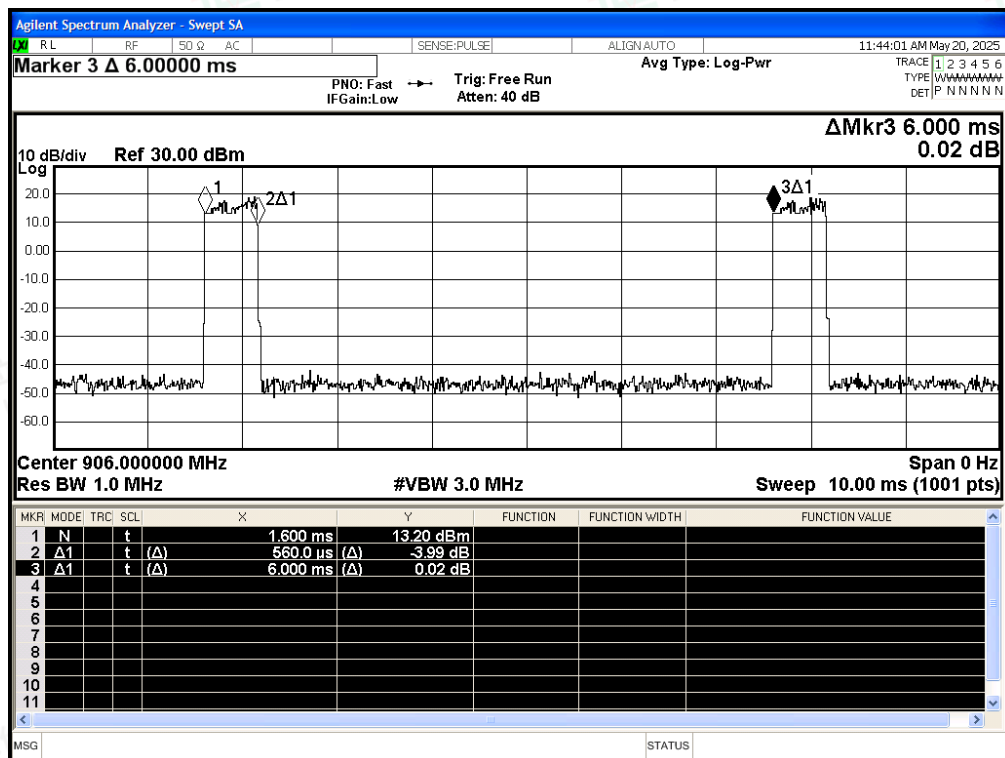


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Test Graphs

Duty Cycle NVNT HaLow 906MHz Ant1



Duty Cycle NVNT HaLow 914MHz Ant1

